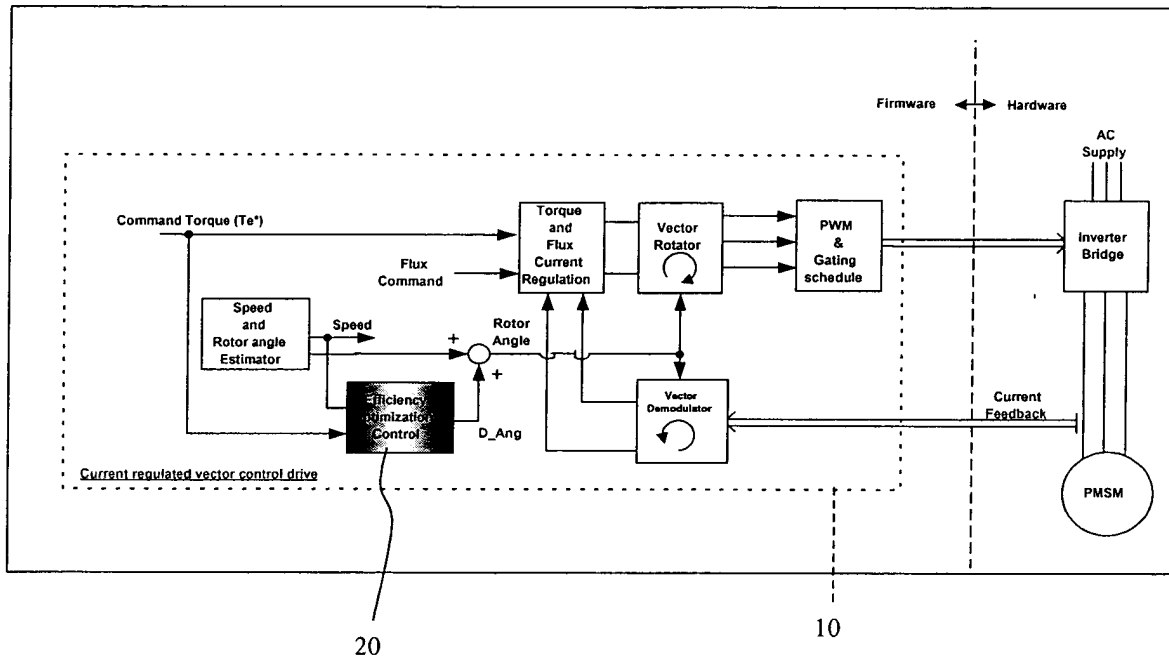


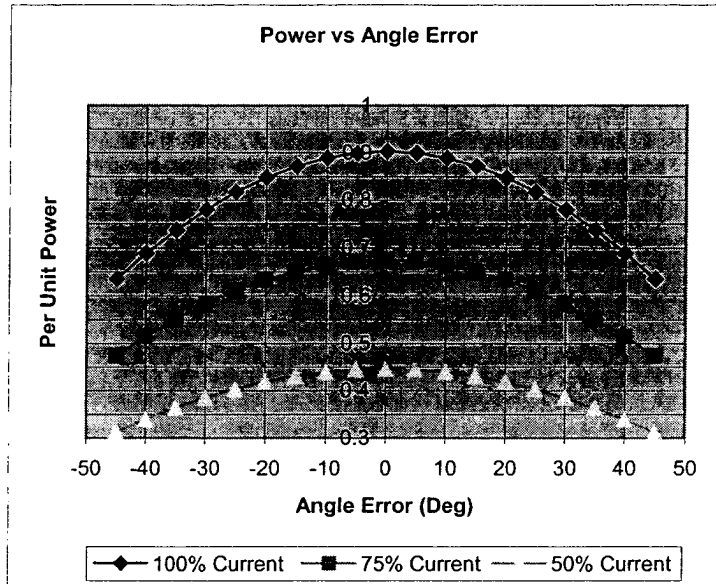
Docket #: IR-2392 (2-3611)  
Title: EFFICIENCY OPTIMIZATION CONTROL  
FOR PERMANENT MAGNET MOTOR DRIVE  
Inventor: Eddy Ying Yin HO  
Contact: James A. Finder (212) 382-0700  
Drawings: 4 Sheets (Figs. 1-4)

Fig. 1 Block Diagram of Vector-Controlled Drive System



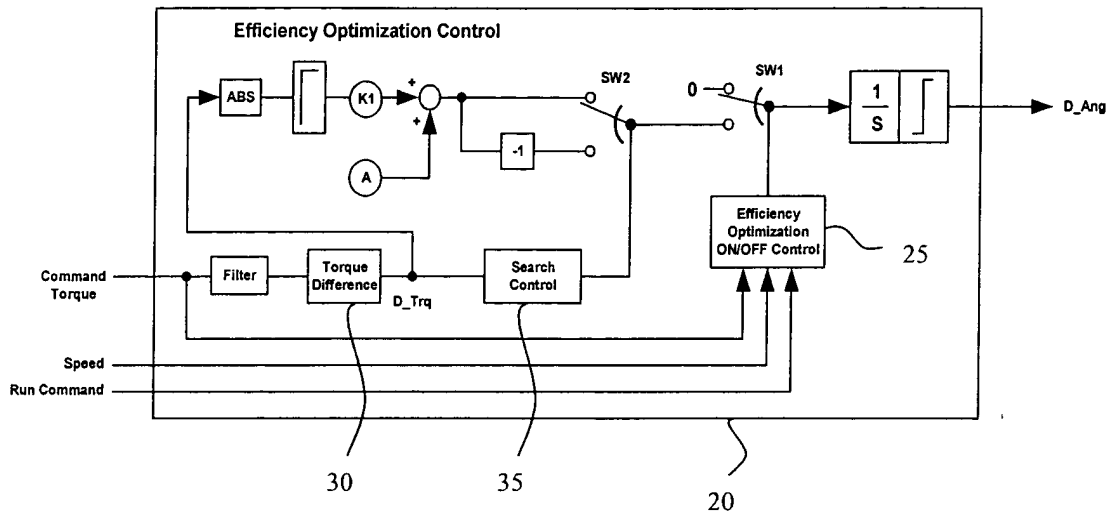
Docket #: IR-2392 (2-3611)  
Title: EFFICIENCY OPTIMIZATION CONTROL  
FOR PERMANENT MAGNET MOTOR DRIVE  
Inventor: Eddy Ying Yin HO  
Contact: James A. Finder (212) 382-0700  
Drawings: 4 Sheets (Figs. 1-4)

**Fig. 2 Motor output power versus rotor angle error**



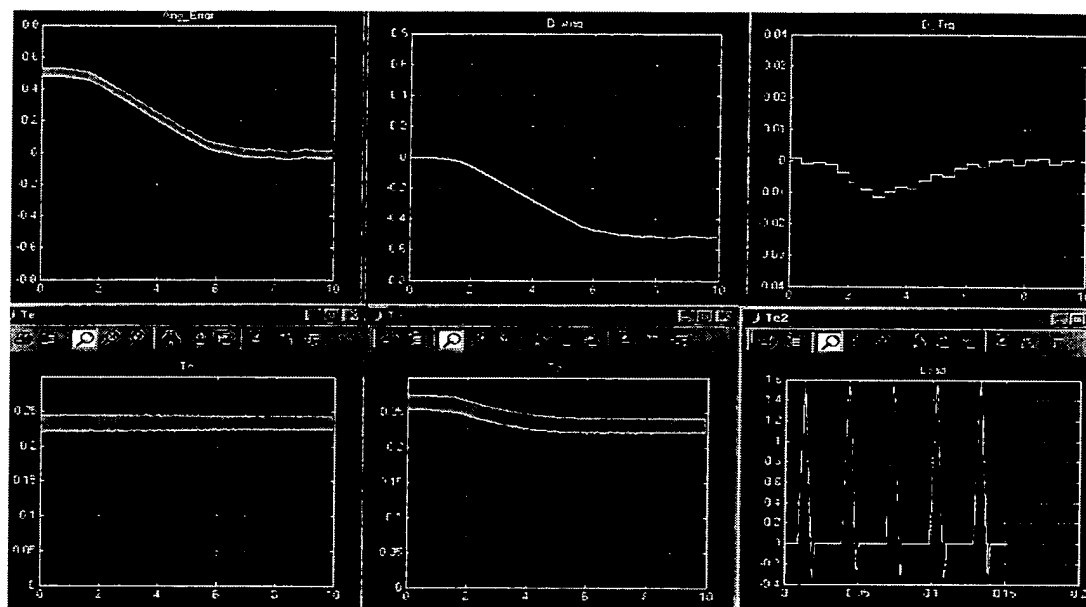
Docket #: IR-2392 (2-3611)  
 Title: EFFICIENCY OPTIMIZATION CONTROL  
 FOR PERMANENT MAGNET MOTOR DRIVE  
 Inventor: Eddy Ying Yin HO  
 Contact: James A. Finder (212) 382-0700  
 Drawings: 4 Sheets (Figs. 1-4)

Fig. 3 Efficiency Optimization Controller



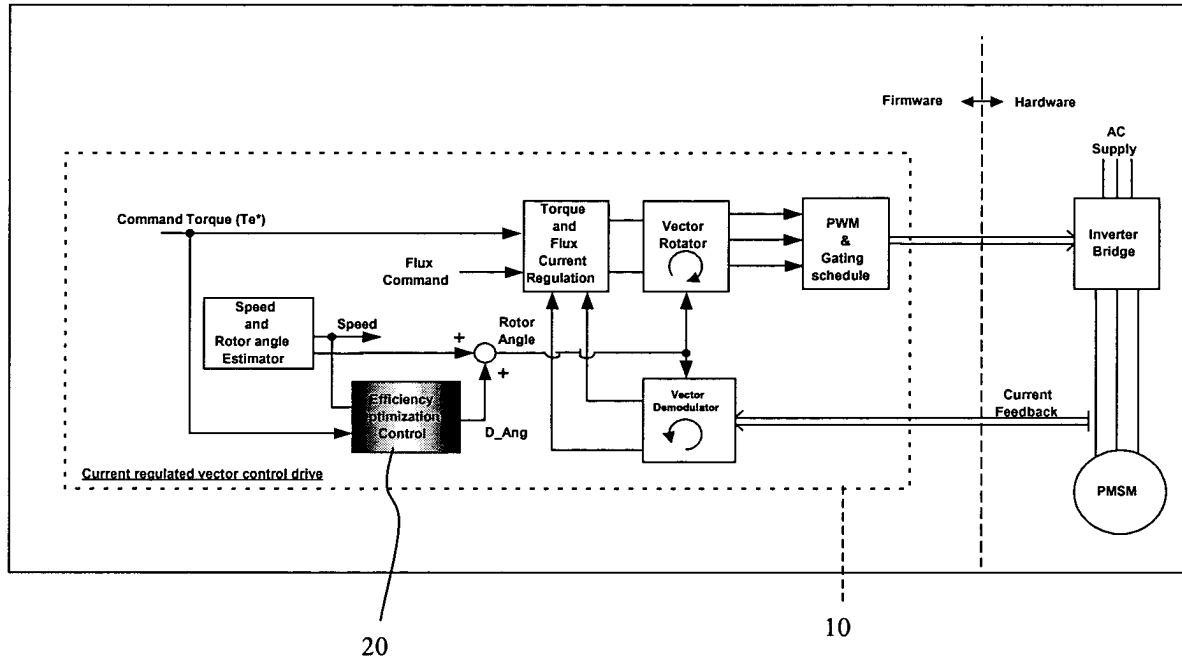
Docket #: IR-2392 (2-3611)  
Title: EFFICIENCY OPTIMIZATION CONTROL  
FOR PERMANENT MAGNET MOTOR DRIVE  
Inventor: Eddy Ying Yin HO  
Contact: James A. Finder (212) 382-0700  
Drawings: 4 Sheets (Figs. 1-4)

Fig. 4 Efficiency Optimization control characteristics



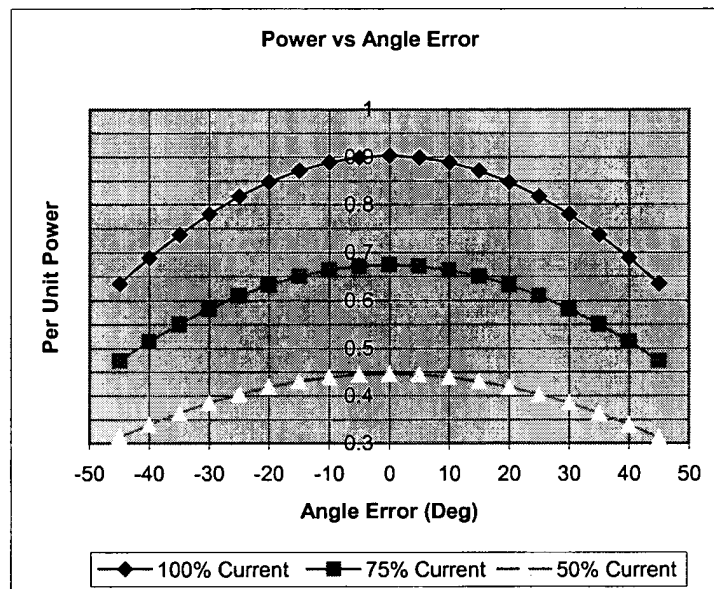
Docket #: IR-2392 (2-3611)  
Title: EFFICIENCY OPTIMIZATION CONTROL  
FOR PERMANENT MAGNET MOTOR DRIVE  
Inventor: Eddy Ying Yin HO  
Contact: James A. Finder (212) 382-0700  
Drawings: 4 Sheets (Figs. 1-4)

Fig. 1 Block Diagram of Vector-Controlled Drive System



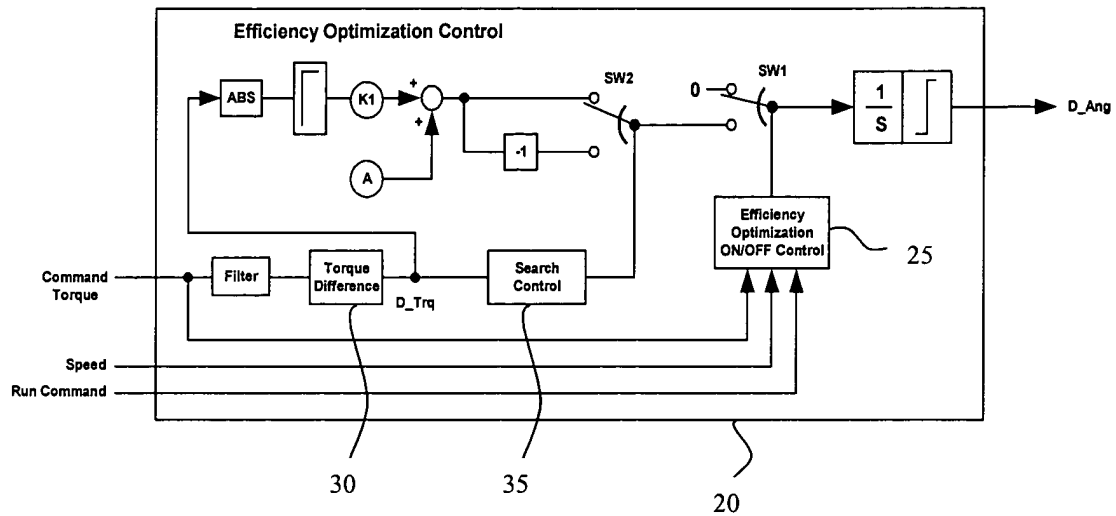
Docket #: IR-2392 (2-3611)  
Title: EFFICIENCY OPTIMIZATION CONTROL  
FOR PERMANENT MAGNET MOTOR DRIVE  
Inventor: Eddy Ying Yin HO  
Contact: James A. Finder (212) 382-0700  
Drawings: 4 Sheets (Figs. 1-4)

**Fig. 2 Motor output power versus rotor angle error**



**Docket #: IR-2392 (2-3611)**  
**Title: EFFICIENCY OPTIMIZATION CONTROL**  
**FOR PERMANENT MAGNET MOTOR DRIVE**  
**Inventor: Eddy Ying Yin HO**  
**Contact: James A. Finder (212) 382-0700**  
**Drawings: 4 Sheets (Figs. 1-4)**

### Fig. 3 Efficiency Optimization Controller



Docket #: IR-2392 (2-3611)  
Title: EFFICIENCY OPTIMIZATION CONTROL  
FOR PERMANENT MAGNET MOTOR DRIVE  
Inventor: Eddy Ying Yin HO  
Contact: James A. Finder (212) 382-0700  
Drawings: 4 Sheets (Figs. 1-4)

Fig. 4 Efficiency Optimization control characteristics

